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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|--|-------------|----------------------|-----------------------------------|------------------|--|
| 10/736,859 | 12/16/2003 | Jie Yao | Jie Yao 78227CIP1 P1510USCIP 5386 | | |
| 7590 05/22/2006 Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A. | | | EXAMINER | | |
| | | | LEE, EUGENE | | |
| 1401 Citrus Cen 255 South Oran | | ART UNIT | PAPER NUMBER | | |
| Box 3791 | 5 | 2815 | | | |
| Orlando, FL 32802-3791 | | | DATE MAILED: 05/22/2006 | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| NA | |
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| Vo | |

| | Application No. | Applicant(s) | | | | |
|---|---|----------------------------------|--|--|--|--|
| Office Action Summers | 10/736,859 | YAO, JIE | | | | |
| Office Action Summary | Examiner | Art Unit | | | | |
| | Eugene Lee. | 2815 | | | | |
| The MAILING DATE of this communication app Period for Reply | ears on the cover sheet with the c | orrespondence address | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). | | | | | | |
| Status | • | | | | | |
| 1) Responsive to communication(s) filed on 08 M | arch 2006. | | | | | |
| 2a) This action is FINAL . 2b) ∑ This | | | | | | |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | | |
| closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. | | | | | | |
| Disposition of Claims | | | | | | |
| 4) Claim(s) 19-40 is/are pending in the application | i. | | | | | |
| 4a) Of the above claim(s) is/are withdrav | vn from consideration. | • | | | | |
| 5) Claim(s) is/are allowed. | | | | | | |
| 6) Claim(s) is/are rejected. | · | | | | | |
| 7) Claim(s) is/are objected to. | | | | | | |
| 8) Claim(s) 19-40 are subject to restriction and/or | election requirement. | | | | | |
| Application Papers | | • | | | | |
| 9) The specification is objected to by the Examine | r. | | | | | |
| 10) The drawing(s) filed on is/are: a) ☐ acce | epted or b) objected to by the because the because of the because | Examiner. | | | | |
| Applicant may not request that any objection to the | drawing(s) be held in abeyance. See | e 37 CFR 1.85(a). | | | | |
| Replacement drawing sheet(s) including the correct | | | | | | |
| 11) ☐ The oath or declaration is objected to by the Ex | aminer. Note the attached Office | Action or form PTO-152. | | | | |
| Priority under 35 U.S.C. § 119 | | | | | | |
| 12) Acknowledgment is made of a claim for foreign | priority under 35 U.S.C. § 119(a) |)-(d) or (f). | | | | |
| a) ☐ All b) ☐ Some * c) ☐ None of: | | | | | | |
| 1. ☐ Certified copies of the priority documents | s have been received. | | | | | |
| 2. Certified copies of the priority documents | | on No | | | | |
| 3. Copies of the certified copies of the priority documents have been received in this National Stage | | | | | | |
| application from the International Bureau (PCT Rule 17.2(a)). | | | | | | |
| * See the attached detailed Office action for a list of the certified copies not received. | | | | | | |
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| Attachment(s) | | • | | | | |
| 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) | | | | | | |
| 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Da | ate Patent Application (PTO-152) | | | | |
| 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date | 6) Other: | and the second second | | | | |
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Art Unit: 2815

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 30 thru 40, drawn to semiconductor device, classified in class 257, subclass 439.
 - II. Claims 19 thru 29, drawn to method of making a semiconductor device, classified in class 438, subclass 1+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as the product made and the process of making. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process. For example, as an alternative to the methods set forth in claims 19-29, instead of absorbing light to produce carriers that are transported therethrough, one could apply a voltage.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Application/Control Number: 10/736,859

Art Unit: 2815

INFORMATION ON HOW TO CONTACT THE USPTO

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Lee whose telephone number is 571-272-1733. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eugene Lee

May 1, 2006

EUGENE LEE DRIMARY EXAMINER